



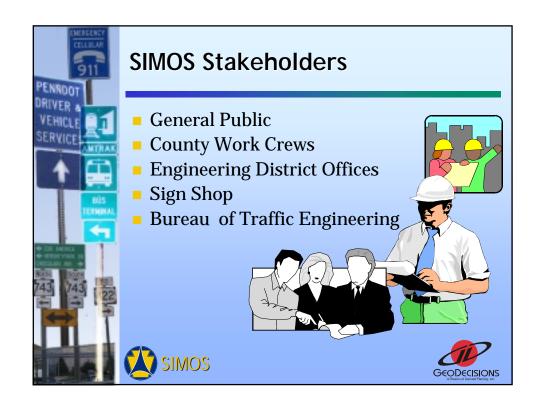


SIMOS Goals

- Completely automate the process of collecting field data, processing work orders, ordering signs, and maintaining inventory
- Develop a comprehensive, centralized database
- Provide interface with other available databases at PennDOT
- Enhance PennDOT's ability to improve signage on a statewide basis, reducing tort liability









SIMOS Benefits

- Better Decision Making for Capital Budgeting
- Increase Operational Efficiency
- Lower Operation Costs
- Reduce Sign Order Errors
- Reduce Inventory of Signs
- Reduce Tort Liability
- Improve Sign Review Cycle Time







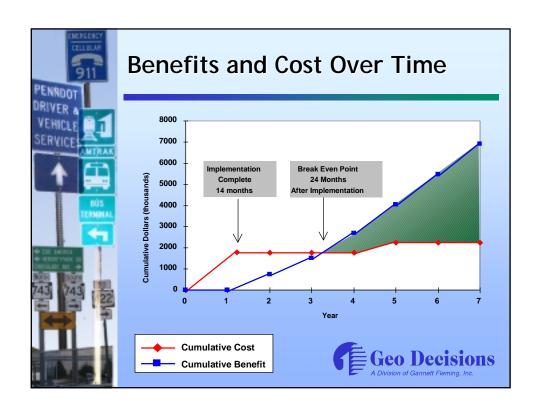
SIMOS Benefits

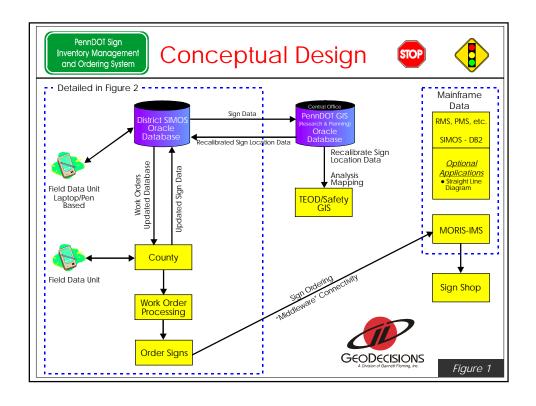
- General Public will Benefit
 - Better Signage/Safety
 - Most Effective Use of Tax Dollars













SIMOS System Development

- Operating System: Windows NT/Win95/Win98
- Development Environment: Visual Basic
- GIS Engine: GeoMedia Objects
- Customized User-Friendly Graphic User Interface
- Why GeoMedia?
 - PennDot GIS Standard
 - Compatibility with Existing PennDOT Database







SIMOS System Components

- Field Data Collection Module
- Data Communication Modules
 - Field Data Unit to County Server
 - County Server to District Server
 - District Server to Central Office Server
- Work Order Generation Module
- Sign Order Generation Module
- Sign Location Recalibration Module
- Data Conversion Module







County SIMOS



- Contain Countywide Sign Data
- GIS-Based
- Easy-to-Use Graphical User Interface







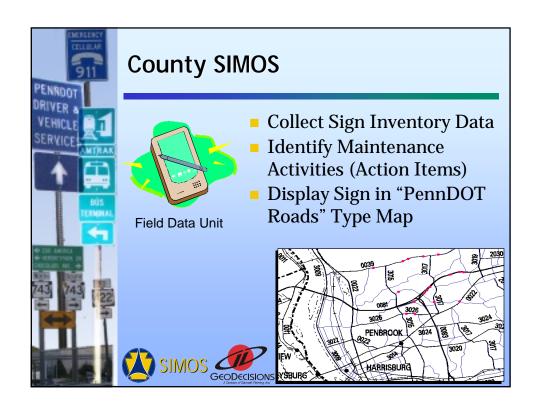
County SIMOS

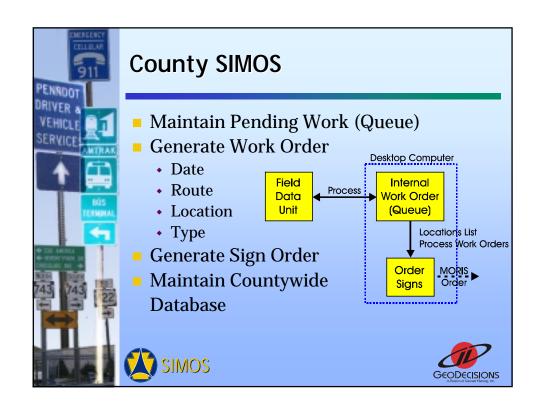


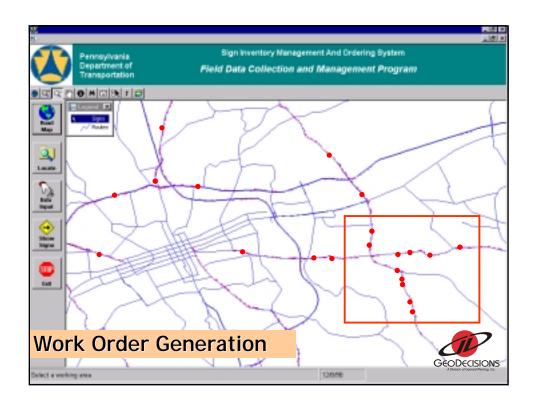
- Field Data Unit
- Collect Sign Inventory Data
- Identify Maintenance Activities (Action Items)
- Display Sign in "PennDOT Roads" Type Map

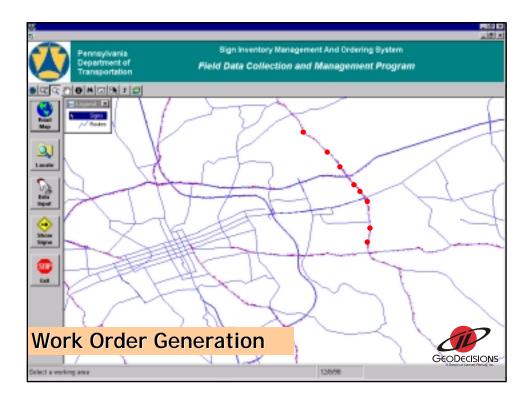


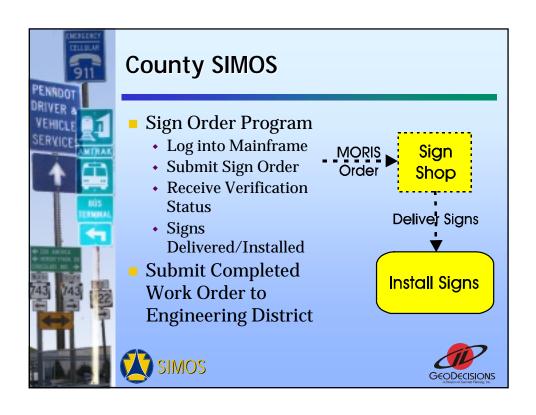


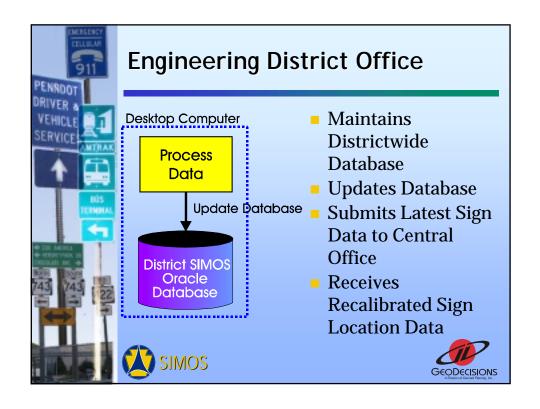


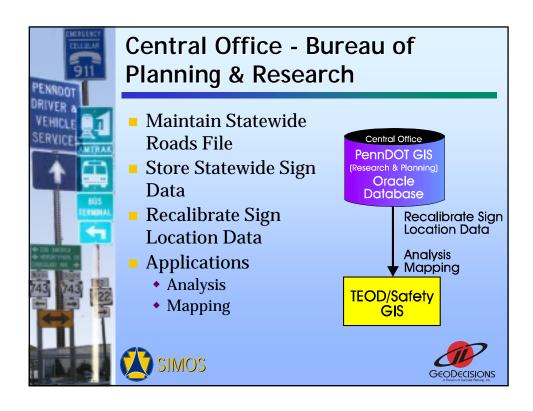


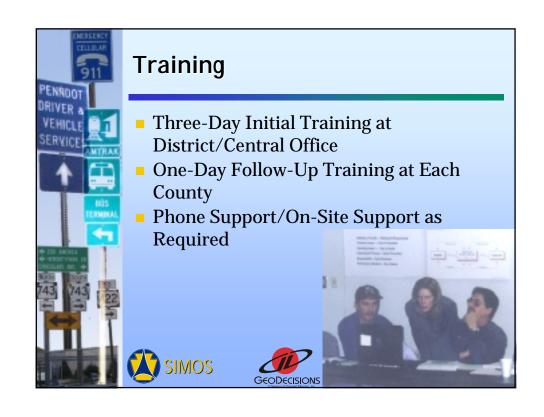














Project Status

- Project Completion Winter 2000-01
 - Field Data Unit
 - Completed All Modules
 - PILOT Project (District 8 and Two Counties)
- Implemented & Trained 3 Districts and (16) Counties
- Remaining Districts (8) and Counties(51) by June 15, 2001





